

STYLISTIC **2300**

**User's Guide**

**Manuel d' Utilisation**

**Benutzerhandbuch**

**Manual de Usuario**

**Manuale Utente**

**FUJITSU**



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# Agency Compliance

## UL Notices

### **Cautions**

- For continued protection against the risk of fire, replace only with the same type and rating of fuse.
- There is a danger of explosion if the CMOS battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to manufacturer's instruction.
- Changes or modifications not expressly approved by Fujitsu Personal Systems, Inc. could void this user's authority to operate the equipment.

### **Warnings**

- The CMOS battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire.
- For a spare battery pack, order only Fujitsu Model FMW28BP1.
- To charge the battery pack FMW28BP1 externally, use only a Stylistic external battery charger.



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# Chapter 1

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## Getting Started

The Stylistic 2300™ pen tablet is a high-performance, pen-based computer that is designed to support Windows 95, Windows 98, or Windows NT. This chapter provides an overview of the Stylistic 2300 pen tablet and its features.

### Included with the Stylistic 2300 Pen Tablet

The following items are included with the Stylistic 2300 pen tablet:

- Stylistic 2300 pen kit (includes pen, spare pen battery, and three spare pen tips)
- Stylistic 2300 battery pack (shipped installed in the Stylistic 2300 pen tablet)
- AC adapter
- Screen protectors (quantity: 2)
- Hard disk drive with operating system installed (shipped installed in the pen tablet)
- 56 Kbps\* internal modem (V.90)†: 53 Kbps receive/33.6 Kbps send/14.4 Kbps fax
- Operating system user's guide with certificate of authenticity for operating system software

\* The 56 Kbps rate is nominal; due to FCC restrictions, actual rates are limited to 53 Kbps.

† The internal modem is available as an option in North America only.

## Optional Accessories

The following optional accessories can be used with the Stylistic 2300 pen tablet. Refer to the instructions provided with these accessories for details on their use.

- Auto adapter FMWCB2
- Stylistic port replicator FMW25PR1
- External floppy disk drive FMWFD2
- Low-power keyboard (contact your reseller for region-specific part number)
- Bar code wand FMWBCR1
- Desk stand FMWDS3
- Hand strap FMWHS5
- Pen tether FMWST2
- Stylistic 2300 harsh environment case FMWCC30
- Stylistic 2300 slip case FMWCC28
- Keyboard combo case FMWCC24
- Stylistic 2300 battery pack (spare) FMW28BP1
- Stylistic external battery charger FMW25BC2
- Screen protectors (package of 12) FMWSP6
- Stylistic Pen (replacement) FMWPN3

# Stylistic 2300 Pen Tablet Features

Features and controls that you use to operate the Stylistic 2300 pen tablet are described briefly below and illustrated in Figures 1-1 and 1-2. Details on using these features and controls are provided later in this manual.

## Front Features:

- **Status display:** Indicates the operational status of the pen tablet and the charge level of the battery.
- **Pen:** The main pointing device that you use to run programs and enter data. A pen holder is built into the pen tablet to store the pen when not in use.
- **Suspend/Resume button:** Allows you to suspend and resume pen tablet operation in order to optimize battery life. This button can also be configured as an On/Off switch; contact your vendor for additional information.
- **Speaker:** Allows you to play back audio files without external hardware.
- **Microphone:** Allows you to record sound such as voice messages.
- **PC Card door:** Allows you to access PC Cards installed in PC Card slots.
- **IrDA port:** Provides an infrared interface for communication with devices compliant with IrDA Standard Revision 1.1.
- **Hotpads:** Allows you to change settings for the display and speaker by tapping with the pen.
- **USB port:** Allows you to connect Universal Serial Bus-compliant devices to the pen tablet.
- **Modem port\*:** Allows you to connect a standard telephone plug to the pen tablet's internal 56 Kbps modem.
- **Removable battery pack:** Can be removed and charged in an optional external charger.<sup>†</sup>

\* The internal modem is available as an option in North America only.

† These peripherals and accessories are sold separately.

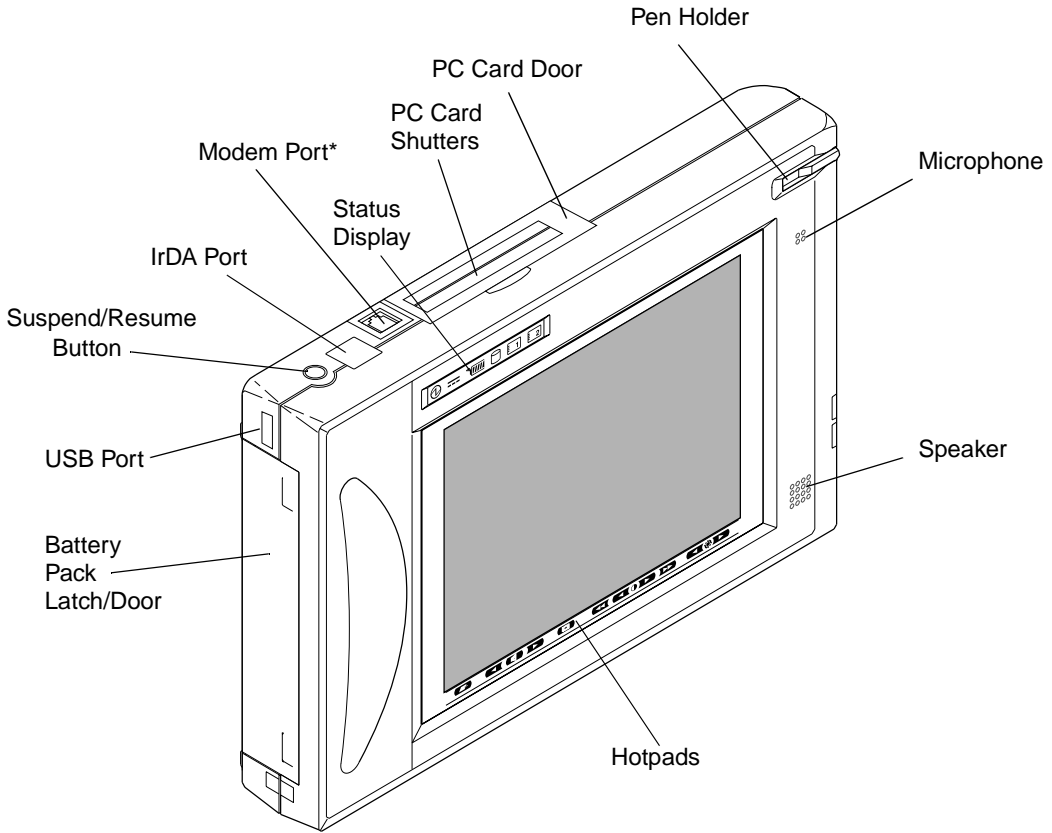


Figure 1-1 Stylistic 2300 Pen Tablet Features (Front View)

Rear Features:

- **System interface port:** Allows you to connect the Stylistic port replicator or other approved docking device.<sup>†</sup>
- **PS/2-style keyboard/mouse port:** Allows you to attach a keyboard or mouse.<sup>†</sup>
- **DC input connector:** Allows you to connect the AC adapter or auto adapter.<sup>†</sup>
- **I/O connector door:** Allows access to some peripheral interface ports.

\* The internal modem is available as an option in North America only.

† These peripherals and accessories are sold separately.

- **Reset button:** Restarts the pen tablet in the event of system difficulty. The reset button cannot be seen in Figure 1-2; it is located behind the I/O connector door.
- **Pen tether attachment points:** Allows you to attach a pen tether.<sup>†</sup>
- **Heat sink vents:** Provides cooling for processor. (Do not obstruct heat sink vents.)
- **Audio Jacks:** Allows you to connect stereo headphones and external microphone.<sup>†</sup>
- **High-usage docking contacts:** Allows you to place the pen tablet in an approved docking station.<sup>†</sup>
- **Handstrap attachment points:** Provides attachment points for the optional handstrap.<sup>†</sup>
- **Kensington™ lock attachment point.** Allows you to attach a security cable.<sup>†</sup>

<sup>†</sup> These peripherals and accessories are sold separately.

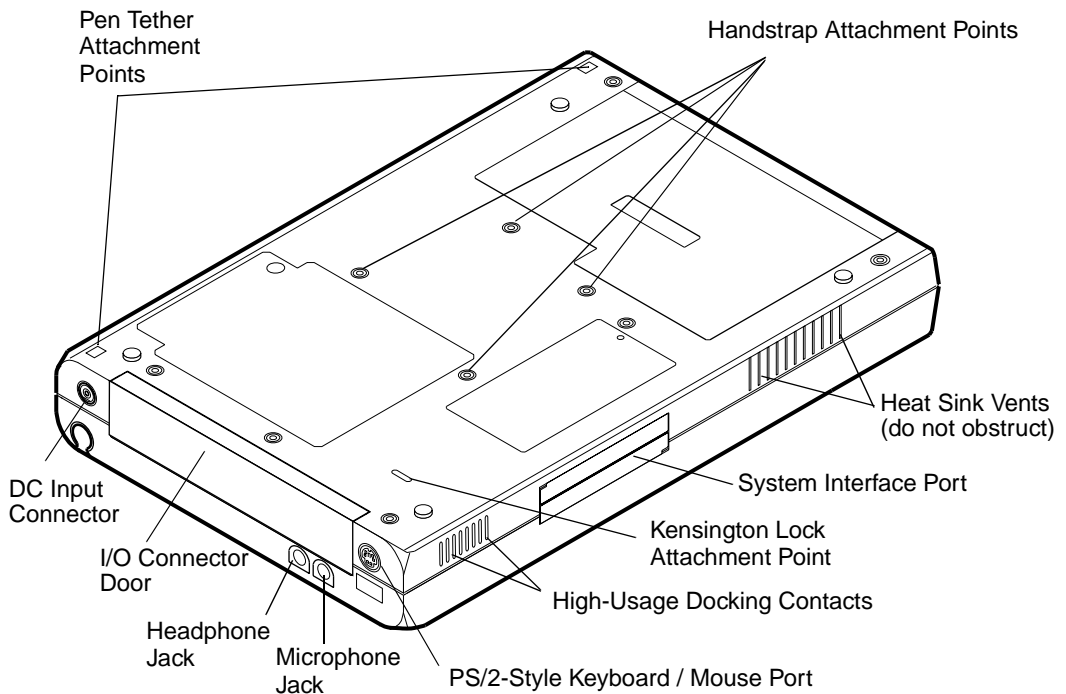


Figure 1-2 Stylistic 2300 Pen Tablet Features (Rear View)

# Status Display

Icons appear in the Status display indicating the status of system functions such as system power and battery charge level. The location of icons in the Status display is shown in Figure 1-3.

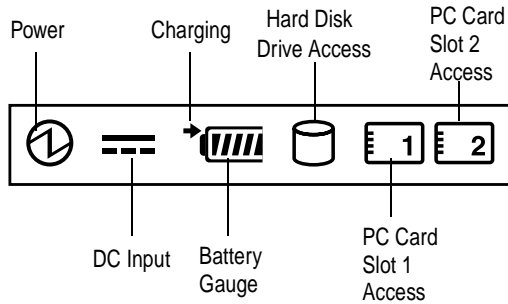


Figure 1-3 Status Display Icons

Table 1-1 shows how individual icons are displayed, and describes what the variations of that display indicate. (If an icon is not displayed, it indicates that the related system function is off or inactive.)

Table 1-1 System Status Indications













Icon		System Function
Power icon. Indicates system state.		<p>Continuous: <b>Fully on</b> (running)  <b>Idle or Standby state</b> (resumes activity when pen activity or other input detected).</p> <p>Blinking: <b>Suspend-to-RAM</b> mode.</p> <p>Not displayed: <b>Off</b> state (when suspend button is configured as a power button or when the system is shut down with a software exit.)  <b>Suspend-to-Disk</b> mode</p> <p>See "System States" in Chapter 2 for more details.</p>
DC Input icon.		<p>Displayed when DC power is connected and the system is fully on or in suspend mode. Also displayed when the battery is being charged.</p>

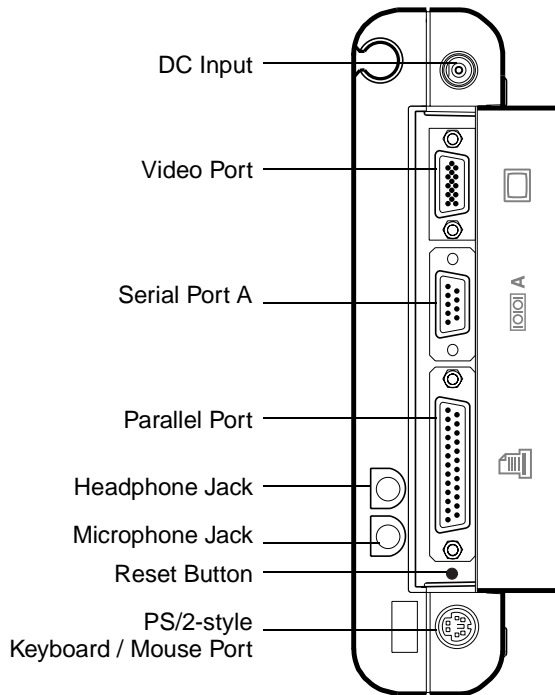
Table 1-1 System Status Indications (Continued)

<p>Charging icon (arrow displayed near Battery Gauge icon).</p>		<p>Continuous: Battery charging.</p> <p>Blinking: Battery temperature out of thermal range, charging stopped.</p> <p>Not displayed: Battery not charging.</p>
<p>Battery Gauge icon. This icon displays a number of "cells" to indicate the status of the battery pack. (Displayed when power is on or battery pack is charging.)</p>		<p>Charge 90% or higher</p>
		<p>Charge 75% - 90%</p>
		<p>Charge 50% - 75%</p>
		<p>Charge 25% - 50%</p>
		<p>Continuous: 12% - 25% charge. Blinking cell: Less than 12% charge (low battery warning).</p>
		<p>Critically low battery charge. (System operation is suspended automatically.)</p>
		<p>Cell short fault. Battery pack is bad.</p>
<p>Hard Disk Drive Access icon.</p>		<p>Displayed when hard disk drive is active.</p>
<p>PC Card Access icons.</p>		<p>Icon 1: Displayed when PC Card slot 1 is accessed by the computer. Icon 2: Displayed when PC Card slot 2 is accessed by the computer.</p>



# Connectors and Peripheral Interfaces

Connectors and peripheral interfaces on the Stylistic 2300 pen tablet allow you to connect a variety of devices. Figures 1-4 and 1-5 show locations of peripheral connectors on the pen tablet.



*Figure 1-4 Peripheral Connectors*

A floppy disk drive connector is located behind the battery and is accessible only when the battery pack is removed.

**Note:** *The floppy disk drive connector uses a special interface that can be mated only with a Fujitsu FMWFD2 floppy disk drive. Do not attempt to connect any other type of unit to this connector. Contact your reseller for more information.*

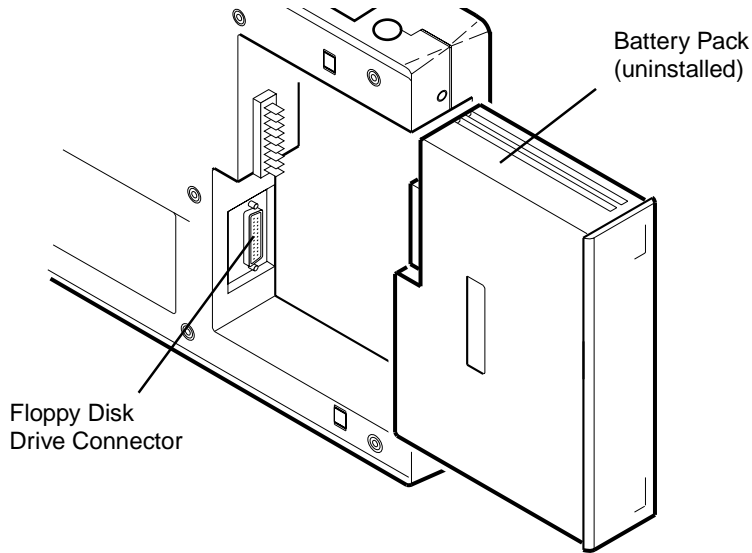


Figure 1-5 FDD Connector

Table 1-2 provides a description of each peripheral connector on the Stylistic 2300 pen tablet. Each of the illustrated icons is embossed on the pen tablet case.

Table 1-2 *Peripheral Connectors*
















Connector/ Peripheral	Pen Tablet Icon	Purpose
DC input connector		Connect an external power source such as the AC adapter or auto adapter.
PS/2-style keyboard port		Connect a Fujitsu low-power keyboard, most other PS/2-style keyboards, or a bar code reader. This port is shared by the PS/2-style mouse; the two devices cannot be used simultaneously.
Mouse port		Connect a PS/2-style mouse. This port is shared by the PS/2-style keyboard; the two devices cannot be used simultaneously.
Video port*†		Connect an external video monitor. Use of the video port requires changing the Display Select hotpad to enable the external monitor.
Parallel port*†		Connect a device with a parallel interface such as a parallel printer.
9-pin serial port*† (serial port A)		Connect an external device with a serial interface.
IrDA port (serial port B)		An infrared transceiver built into the pen tablet allows you to communicate with other devices that are compliant with the IrDA Standard Revision 1.1. Effective range for infrared communication is about 3 feet, and within 15 degrees off of center. A clear line-of-sight path must exist between the IrDA port on the pen tablet and the IrDA transceiver on the other device.
<p>* To avoid damaging the pen tablet or your peripheral device, shut down the system or suspend system operation before connecting or disconnecting a peripheral device to this port.</p> <p>† Open the connector door to access these connectors.</p>		

Table 1-2 Peripheral Connectors (Continued)

Connector/ Peripheral	Pen Tablet Icon	Purpose
Microphone jack		Connect an external microphone. The internal microphone is disabled when you plug in an external microphone.
Headphone jack		Connect stereo headphones or powered external speakers. The internal speaker is disabled when you plug in external headphones or speakers.
System interface port*		Connect the Stylistic port replicator or other approved docking device. Refer to the <i>Stylistic Port Replicator User's Guide</i> for details.
USB Port		Connect Universal Serial Bus-compliant devices to the pen tablet.
PC Cards		Install either two Type II PC Cards or one Type III PC Card.
Kensington™ Lock attachment point		The Kensington™ Microsaver security slot allows you to secure the pen tablet using Kensington-compatible locking devices.
Modem		Connect a telephone line to the optional internal modem using a standard RJ-11 telephone plug.
High-Usage Docking Contacts*		Install the pen tablet in an approved docking device. The contacts allow system access via a keyboard or mouse, as well as providing DC input.
<p>* To avoid damaging the pen tablet or your peripheral device, shut down the system or suspend system operation before connecting or disconnecting a peripheral device to this port.</p> <p>† Open the connector door to access these connectors.</p>		



## Chapter 2

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# Using the Stylistic 2300 Pen Tablet

This chapter covers the fundamental concepts, basic system operation and use, and system functions of the Stylistic 2300 pen tablet. You should familiarize yourself with this information before you attempt to operate the system.

## System States

Before you begin using the Stylistic 2300 pen tablet, review the different system states (or modes) that the pen tablet can use. Being familiar with these system states will help you determine whether it is appropriate to turn on, resume, suspend, or shut down the system when you begin a new session or end your current session. System behavior for each system state is described briefly in the following, with each system state listed in decreasing order of power usage:

- **Fully On state**  
The system is running and the display screen is on. The system responds to the pen or other input.
- **Idle and Standby states**  
Some system functions are regulated or turned off to conserve power. The display screen may be turned off. The system returns to the Fully On state when pen activity or other input is detected.
- **Suspend-to-RAM mode**  
System operation is suspended. Most system functions are turned off to conserve power. Power to memory is on, maintaining data in programs that were running before system operation was suspended. The system does not respond to the pen or other input when in Suspend-to-RAM mode. Refer to the “Resuming System Operation” section later in this chapter for information on returning the system to the Fully On state.
- **Suspend-to-Disk mode**  
System operation is suspended. All system functions are turned off to conserve power. Active data in programs that were running before suspending system operation is stored on the hard disk drive. The system does not respond to the pen or other input. Refer to the “Resuming System Operation” section later in this chapter for information on returning the system to the Fully On state.

- **Off state**

All system functions are turned off to conserve power. The system does not respond to the pen or other input. The system boots at the next system power-on.

**Note:** *The system consumes the same amount of power whether it is in Suspend-to-Disk mode or the Off state.*

Your system may be configured to enter some of these states automatically after a period of inactivity to conserve battery power.

When you use the Stylistic 2300 pen tablet, you can change the current system state in a number of ways, depending on which state the system is in. To determine the current system state, observe the Power icon in the Status display. Table 2-1 gives the different system states represented by the Power icon and describes how you can change the system state from the current state.

*Table 2-1 Changing System States*

<b>Power Icon Appearance</b>	<b>Current State</b>	<b>To Change State*</b>
Power icon displayed continuously	Fully On, Idle, or Standby	To enter the Off state, shut down the system.
		To enter the Suspend-to-RAM or Suspend-to-Disk <sup>†</sup> state, suspend system operation using either a hardware or software suspend.
Power icon blinking	Suspend-to-RAM <sup>†</sup>	To enter the Fully On state, resume system operation.
		To enter the Off state, resume system operation, then shut down your system.
Power icon not displayed	Off or Suspend-to-Disk <sup>†</sup>	To enter the Fully On state, start your system, or resume system operation.

\* Information in Table 2-1 is supplied to help you understand which system states your system can enter from the current system state. Refer to the procedures on starting the system, shutting down the system, suspending system operation, and resuming system operation given later in this chapter for details on changing the current system state.

<sup>†</sup> Your system may be configured to use either Suspend-to-RAM mode, Suspend-to-Disk mode, or may use both modes sequentially.

## Starting the Pen Tablet

Follow the procedure below to start the Stylistic 2300 pen tablet. Before you begin, confirm that the system is in the Off state. To do so, observe the Status display. If the Power icon is not visible in the Status display, the system is in the Off state and it is safe to perform this procedure. If the Power icon is visible (either blinking or on continuously), do not perform this procedure. See “System States” earlier in this chapter for details on operational modes represented by the Power icon.

### Caution

The Suspend/Resume button can be configured to either suspend and resume the system or to turn the system on and off. Under most circumstances, the Suspend/Resume button will be used to suspend and resume the system. If it is set up as an On/Off button, be sure to save your data before you press it -- turning off the system this way will result in the loss of active data.

1. Press the Suspend/Resume button to start the system.
2. Ensure that the battery pack in your pen tablet is sufficiently charged, or connect an external power source such as the AC adapter or auto adapter to your pen tablet. See “Status Display” in Chapter 1 to determine the percentage of charge represented by the Battery Gauge icon in the Status display.

After performing system initialization, the system starts the operating system installed on the hard disk drive. Once the operating system is running, you can use the system.



## Shutting Down the System

Follow these steps to shut down and turn off your system:

1. If system operation has been suspended, resume system operation. See “Resuming System Operation” later in this chapter for details.
2. Save your work and close all running programs.
3. Choose Shut Down from the Windows (95, 98, or NT) Start menu and carry out the Shut Down command.

The system is now in the Off state.

### Caution

The Suspend/Resume button can be programmed to act as an On/Off switch. When it is configured as an On/Off switch, pressing the Suspend/Resume button causes all active data to be lost. If the system is not shut down properly before pressing the On/Off-configured button, a disk checking program may automatically run the next time you turn on the system. If it encounters any disk problems, you may be required to connect a keyboard in order to re-start the system.

## Suspending System Operation

The Stylistic 2300 pen tablet allows you to suspend the system operation without closing programs or exiting the operating system. Use this feature to conserve battery power when a system shutdown is inconvenient or when the battery needs to be changed.

To suspend system operation:

1. Press the Suspend/Resume button, or carry out the Suspend command from your operating system or power management program. (If your system is configured to suspend operation using Suspend-to-Disk mode, which is explained later in this procedure, a message is displayed while data is saved to your hard disk.)

### Caution

If you are replacing the battery pack, **wait until system operation is suspended and the power icon is flashing** before you remove the battery pack. Failure to do so could result in loss of your unsaved data.

The Power icon either flashes or is not displayed when system operation is suspended, depending on how your system is configured. At this point, programs that were running are stopped, active data is saved, and the system enters one of two different low-power states, or suspend modes, as explained in the following paragraphs.

2. Observe the Power icon in the Status display to determine which suspend mode your system is using.

- **Power icon is blinking:** *Suspend-to-RAM* mode

In this mode, active data is saved by maintaining power to RAM while most other system components are powered off. The Battery Gauge icon in the Status display indicates the battery charge level. A *fully* charged battery pack can maintain data in RAM for approximately 10 days; a partially charged battery pack will maintain data in RAM for proportionately less time.

- **Power icon is not displayed:** *Suspend-to-Disk* mode

In this mode, active data is stored on the hard disk drive and power usage is reduced to the same level used in the Off state. When the system is in *Suspend-to-Disk* mode, the Battery Gauge icon is not visible in the Status display. In this mode, there is no danger of losing data if battery power is lost. A fully charged battery pack will discharge to the critically low level after about 45 days in the Off state.

If you have successfully performed this procedure, system operation is now suspended. Refer to “Resuming System Operation” later in this chapter to resume system operation. Also, note the following with regard to suspending system operation:

- You can remove the battery pack while the system is in Suspend-to-RAM or Suspend-to-Disk modes in order to install a charged battery pack. To prevent losing unsaved data, wait until system operation is suspended before you remove the battery pack.
- Your system may be configured to suspend operation automatically after a period of inactivity.
- Your system may be configured to enter Suspend-to-Disk mode automatically after a period of time in Suspend-to-RAM mode.
- The system uses a small amount of battery power when in Suspend-to-RAM mode. Eventually, the battery will become fully discharged.

**Note:** *If you will not be using the system for an extended period of time, shut down the system rather than using Suspend-to-RAM mode.*

- If the battery pack charge drops to the Low-Battery Warning level while the system is running, the system will beep periodically. If this occurs, suspend system operation, shut down the system, or attach an external power source, such as the AC adapter, to the pen tablet.
- If the battery charge drops to the Critically Low level while the system is running, the system is forced into Suspend-to-RAM mode. If this occurs, you must either install a charged battery pack, or connect an appropriate external power source such as the AC adapter before you can resume system operation. (If the battery charge drops to the Critically Low level while the system is *in* Suspend-to-RAM mode, the system stays in Suspend-to-RAM mode.)
- Suspending system operation interrupts data communications; however, some programs may block the system from suspending to prevent an interruption.
- The Suspend/Resume button on your system may be disabled. If this is the case, pressing the Suspend/Resume button may not suspend system operation as described here. Contact your local help desk or reseller if your system configuration is not suitable.
- The Suspend/Resume button on your system may be programmed to act as an On/Off switch. If this is the case, all active data will be lost if this button is pressed. In order to ensure that all active data is saved prior to turning off the system, exit Windows by choosing Shut Down from the Start menu and carry out the Shut Down command; this also turns off the system.
- If your system is equipped with a PC Card that allows you to connect to a wired or wireless network, you may be logged off the network after a period of inactivity while system operation is suspended. Contact your network administrator or local help desk for details on log-off parameters for your network.

## Resuming System Operation

To resume system operation, (from either Suspend-to-RAM or Suspend-to-Disk modes), press the Suspend/Resume button.

- **From Suspend-to-RAM mode**  
After a few seconds, the system returns to the Fully On state and system operation resumes. Note that the display turns on shortly before the pen becomes active due to the power-up sequences observed by the system.
- **From Suspend-to-Disk mode**  
Active data is read from the hard disk drive, and after 15 to 30 seconds, the system returns to the Fully On state.

Note that power to several system components must be restored before system operation resumes. Allow sufficient time for system operation to resume before attempting to use the system. If your system uses Suspend-to-Disk mode, it will take longer to resume operation as compared to using Suspend-to-RAM mode. Time is needed to read data from the hard disk drive.

- Use the system as you normally would once system operation resumes.

All programs resume at the point where execution stopped when system operation was suspended.

## Using Hotpads

Hotpads are pen-active areas below the system display that you can use to change the display and speaker settings while the system is running. To use a hotpad, tap directly on it with the pen. You can also press and hold the pen tip against the Volume, Contrast, and Brightness hotpads to automatically repeat the hotpad function. The location of each hotpad is shown in Figure 2-1.

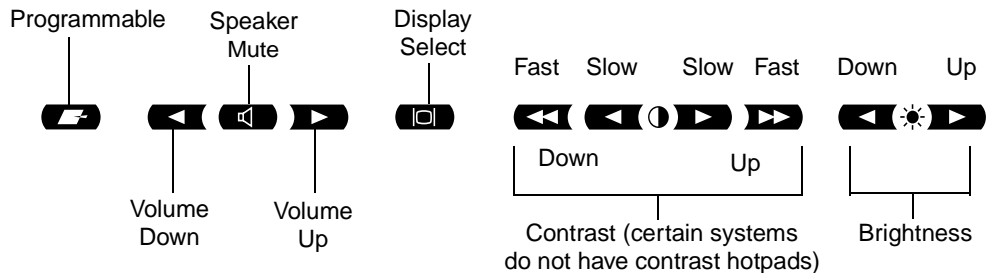


Figure 2-1 Hotpads

A summary of each hotpad's function is given below:

- **Programmable hotpad**  
This hotpad can be programmed for application-specific functions. Contact your local help desk or reseller if you need assistance using the Programmable hotpad.
- **Volume hotpads**  
These hotpads set the volume of the pen tablet speaker or headphones, if used. (Note that the internal speaker is disabled when headphones are plugged in.)
- **Speaker Mute hotpad**  
This hotpad turns the pen tablet speaker or headphones on or off. When you tap this hotpad to turn on the speaker or headphones, the system beeps.

- **Display Select hotpad**

This hotpad allows you to choose the pen tablet display screen, an external video monitor, or both as the selected system display(s). The pen tablet display screen appears blank when an external monitor alone is selected.

- **Contrast hotpads**

Contrast hotpads allow you to adjust the display contrast. (Contrast hotpads may not be present on your system, depending upon the type of pen tablet you have.)

- **Brightness hotpads**

These hotpads allow you to adjust the display brightness.

## Using the Pen

### Caution

The Stylistic 2300 pen is a sophisticated, high-quality electronic instrument that can be damaged if used improperly. Treat the pen as you would any precision device. The following list contains guidelines for proper pen handling:

- Avoid gesturing with the pen, using it as a pointer, or tapping it on surfaces other than the pen tablet screen.
- Unscrew the pen only when you are changing the battery.
- Do not try to turn the thumb grip on the pen; it is designed for inserting and removing the pen from the pen holder and for attaching the pen tether.
- To avoid damage, the pen should be stored in the pen holder when not in use.

You can use the pen to select items and run programs on the Stylistic 2300 pen tablet like a mouse on a desktop computer. Programs that support handwriting recognition also allow you to write characters directly on the screen with the pen. You can also use the pen as a drawing tool if your program provides a drawing or *inking* area on the screen.

The screen reacts with the pen when the pen tip is approximately 3/8 inch (one centimeter) from the screen. The pen has two switches, the tip switch and the barrel button switch. When activated, these switches generally correspond to the buttons on a two-button mouse; the tip switch corresponds to the left mouse button and the barrel button switch, when used in combination with the tip switch, corresponds to the right mouse button.

**Note:** You may need to tap the pen tip against the screen initially to turn on the pen. The pen turns off automatically to conserve the pen battery if not used for a period of approximately 3 minutes.

Here are some hints that may help you use the pen more effectively.

- **To activate the Tip switch,** tap or hold the pen tip against the screen.
- **To activate the Barrel button switch,** press and hold in the Barrel button switch, then tap the pen tip on the screen. (This action corresponds to a right-click operation with a mouse in most programs.)
- **To move the cursor,** hold the pen tip close to the display screen (within about 3/8 inch or 1 centimeter) and move the pen.
- **To start a program,** double-tap the pen tip (tap the pen tip twice rapidly) on the program icon as you would double-click a mouse.
- **To select an object,** tap the pen tip once on the object.
- **To drag an object,** place the pen tip directly over the object, then press and hold the pen tip against the display screen while you move the pen.

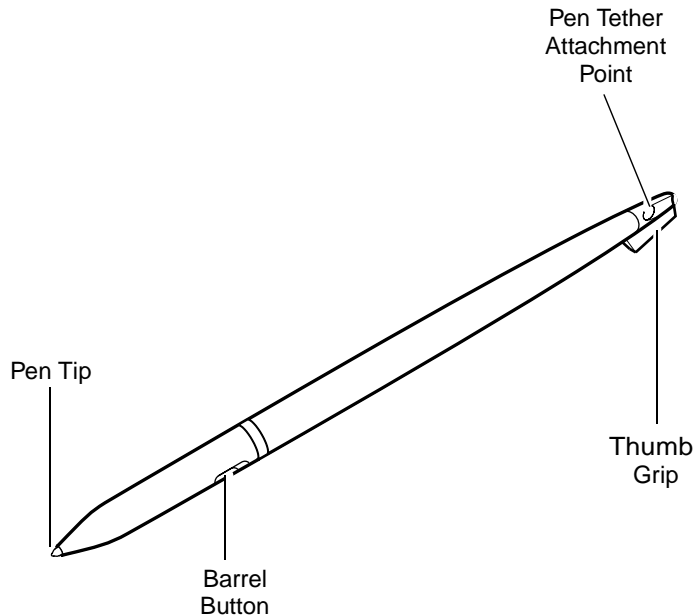


Figure 2-2 Stylistic 2300 Pen

# Charging the Battery Pack

The Stylistic 2300 battery pack can be charged while it is installed in the pen tablet. To do so:

1. Connect a DC power source, such as the AC adapter, to the DC input connector on the pen tablet. The DC Input icon appears in the Status display. If the battery pack charge level is below 90%, the battery pack begins charging and the Charging icon appears in the Status display. If the battery pack charge is 90% or higher *when you connect* DC power, the battery pack will not charge; this prevents overcharging the battery pack.
2. Look at the Battery Gauge icon in the Status display to determine the percent of charge in the battery pack. See “Status Display” in Chapter 1 of this manual for a description of the Battery Gauge icon.

As long as DC power *remains connected* to the pen tablet, the charging process continues until the battery pack charge reaches 100%. Charge times shown in Table 2-2 are for a fully discharged battery pack charging both while the pen tablet is and is not in use.

Table 2-2 Battery Pack Charging Time

Battery Pack Charge Level Reached	Approximate Charge Time (tablet not in use)	Approximate Charge Time (tablet in use)
90%	3 hours	9 to 10 hours
100%	5 hours	12 hours

Also note the following with respect to charging the battery pack:

- You can use the system, suspend system operation, or shut down and turn off the system without interrupting the charging process; however, using the system while the battery pack is charging will cause the battery pack to charge at a slower rate, as noted in Table 2-2.
- As noted in the procedure above, the system will not begin charging the battery pack if the battery pack charge level is 90% or higher when the system is *initially connected* to external DC power. (This prevents the battery pack from being overcharged.)

- The Stylistic 2300 battery pack uses lithium ion battery cells which have no “memory effect.” You do not need to discharge the battery pack before you begin charging.

## Removing and Installing the Battery Pack

The battery pack can be removed from the pen tablet and swapped with a charged battery pack. The battery pack can then be charged in an external charger if one is available. To remove the battery pack from the pen tablet:

1. Choose one of the following:
  - If a charged battery pack is available, you can suspend system operation. A built-in “bridge” battery will maintain the system in Suspend-to-RAM mode for about 5 minutes while the battery pack is removed.
  - If a charged battery pack is not available, save your work and close all running programs, then shut down the system.
  - Plug in an external DC power source.
2. Slide the battery latch to the unlocked position. (See Figure 2-3.)
3. Slide the battery pack out of the pen tablet.

If you are using an external battery charger, refer to the instructions provided with the battery charger.

To install the battery pack:

1. Slide the battery pack into the pen tablet until it is firmly seated.

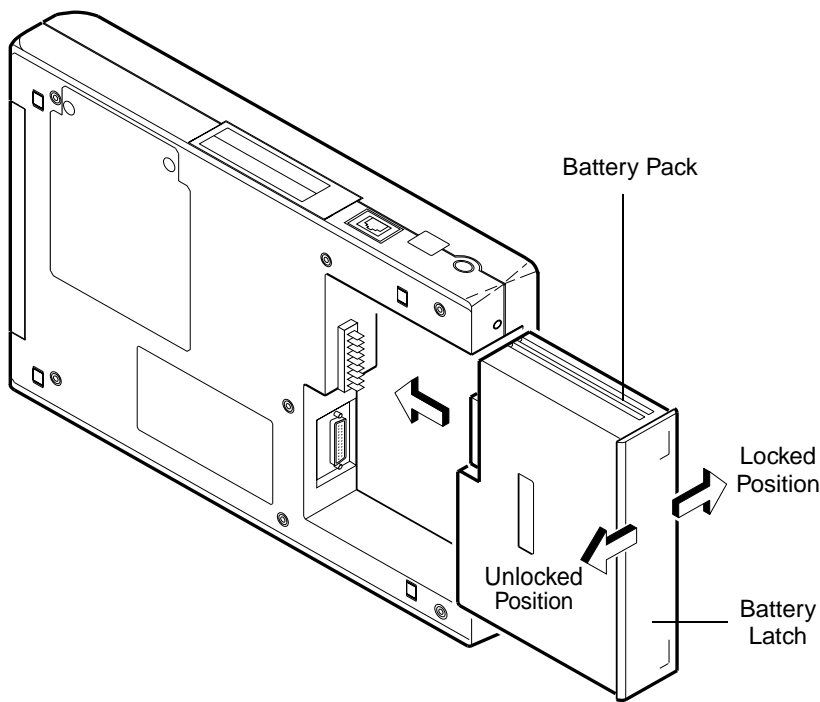
### **Warning**

Keep your fingers clear of the area between the battery pack and the pen tablet when you install the battery pack.

2. Slide the battery latch into the locked position.

Once the battery pack is installed, you can resume system operation or start your system and use the system as you normally would.





*Figure 2-3 Removing and Installing the Battery Pack*

## Conserving Battery Power

You can extend the charge life of your battery pack by conserving battery power. A fully charged battery pack can run the system under normal use in most applications for approximately 4 hours. Your results may vary depending on your application and how the system is configured. Here are some suggestions to help you conserve battery power:

- Use an external power source such as the AC adapter to power the system when possible.
- Suspend system operation if you won't be using the system for a few minutes.

- Shut down the system if you won't be using the system for an extended period of time.
- Use power management timeouts (accessible through the BIOS setup) to help you conserve power automatically.

## Care of Bridge Battery

When installed in the pen tablet, the battery pack provides power to some system components—even when the system is in the Off state. When the battery pack is removed, power is supplied to these components by a “bridge” battery that is built into the pen tablet.

The bridge battery is not designed for long-term operation. To maintain the bridge battery properly, observe the following measures:

- To prevent draining the bridge battery, always store the pen tablet with a charged battery pack installed.
- If the bridge battery becomes drained, it takes approximately 11 hours for it to be recharged.
- The bridge battery charges when the AC Adapter is connected and the system is in On or Off states or Suspend mode; it charges from the battery only when the system is in On state.

## Modem Connection

**Note:** *The internal 56 Kbps modem installed in the Stylistic 2300 pen tablet\* has actual transfer rates of 53 Kbps (receive), 33.6 Kbps (send), and 14.4 Kbps (fax). Download rates are limited to 53 Kbps in the United States due to FCC restrictions.*

*\* The internal modem is available as an option in North America only.*

The Stylistic 2300 pen tablet is designed to accept a standard RJ-11 telephone plug. Connect the plug to the modem jack located on the top of the pen tablet, to the left of the PC Card door. The telephone plug can be installed whether or not the pen tablet has power applied.

If you need assistance configuring the Stylistic 2300 pen tablet modem, contact your local help desk or your reseller.

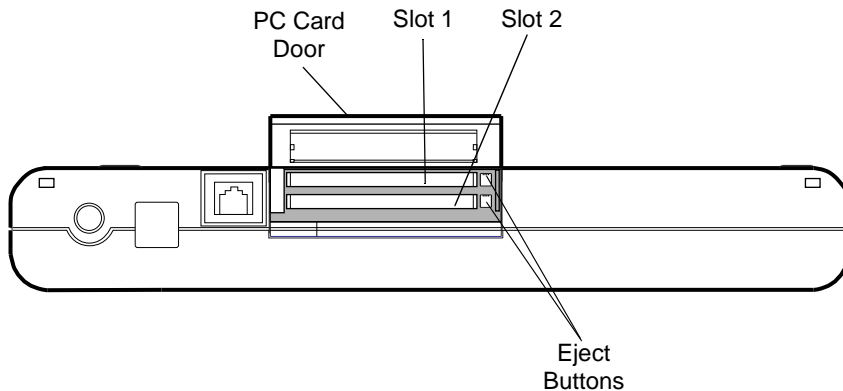
## PC Card Slots

The Stylistic 2300 pen tablet has two PC Card slots that allow you to install up to two Type II PC Cards using both slots 1 and 2, or a single Type III PC Card using slot 1 only.

There are two ways to install a PC card, depending upon the card configuration.

- If you need access to the top of the card after it is installed (as with some LAN cards), install the card through the PC card door shutters.
- If access to the card is not required after it is installed (as with flash memory), open the PC card door before installing the card.

If you need assistance installing a PC Card in the Stylistic 2300 pen tablet, contact your local help desk or your reseller.



*Figure 2-4 PC Card Slots*

# Chapter 3

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## Care and Maintenance

This chapter gives you pointers on how to care for and maintain your Stylistic 2300 pen tablet.

### Protecting the Display Screen

The Stylistic 2300 pen tablet is designed to provide you with years of service. Using a screen protector will help ensure that the screen remains as clear as possible. When installed, the screen protector becomes a durable, replaceable, antiglare writing surface that protects the display screen from abrasion.

To obtain additional screen protectors use Fujitsu part number FMWSP6 (12-pack) when ordering. Additional information about installation is included with the screen protectors.

#### **Caution**

During normal use of the pen tablet, small particles from the environment can become embedded in the pen tip and scratch the screen. To prevent scratching the screen, ensure that a screen protector is installed before using your pen tablet. The warranty does not cover a screen that is scratched as a result of not using a screen protector.

To install a new screen protector on your pen tablet:

1. If a screen protector is already installed on the display screen, remove it before installing the new screen protector.

The screen protector is held onto the display screen surface by a thin strip of adhesive around the edges. A notch in one corner of the screen protector allows you to slide your fingernail under the screen protector and easily remove the screen protector.

2. Clean the display screen surface by wiping the screen surface gently using a soft cotton cloth dampened with denatured alcohol. Ensure that all film has been removed from the screen before applying a new screen protector.

### Caution

The Stylistic 2300 pen tablet is **not waterproof**. Do not pour liquids on the system or wash it with a heavily soaked cloth.

3. Remove the protective coating from the adhesive side of the screen protector first.
4. Apply the screen protector to the display screen surface. When doing so, orient the screen protector with the adhesive side of the screen protector facing the display screen and the notched corner of the screen protector toward the lower left corner of the display screen.
5. Remove the protective plastic cover from the face of the screen protector.
6. **Apply pressure to the screen protector with your finger using a continuous wiping motion along the edges.** The adhesive sets completely within 48 hours. To ensure a good seal between the screen protector and the display, do not lift the screen protector from the display once it has been applied.
7. Clean any residue left behind by the protective coating from the exposed surface of the screen protector by wiping gently with a soft cotton cloth dampened with denatured alcohol. Wipe the screen protector with a soft dry cloth to remove any low-tack adhesive; this will help to prevent the pen tip from squeaking.

The screen protector is now installed.

## Storing the Stylistic 2300 Pen Tablet

Store the Stylistic 2300 pen tablet in the Fully Off state with a fully charged battery pack installed. The Stylistic 2300 battery pack always provides power to some system components, even when the system is in the Fully Off state. If the system is stored with the battery pack removed, these components are powered by the system's internal bridge battery. The bridge battery is not designed for extended use and will discharge in a short period of time; this could result in damage to the batteries. You can store the pen tablet for about 45 days with a fully charged battery pack installed. After this period, the battery pack should be recharged or replaced with a charged battery pack.

# Protecting the Stylistic 2300 Pen Tablet in Harsh Environments

The Stylistic 2300 pen tablet is designed for use in environments where there is no direct exposure to rain, mist, sprays, dirt, or other abrasive particles. The optional Stylistic 2300 harsh environment case and the Stylistic 2300 screen protector can provide some protection in these environments.

The Stylistic 2300 harsh environment case is a rugged case that protects the pen tablet from exposure to light rain, mist, sprays, dust, and dirt. The pen tablet is easily used while installed in the harsh environment case. The harsh environment case also provides additional protection from physical damage due to shock or vibration. Note that the harsh environment case does not render the pen tablet waterproof or submersible.

For additional information on the Stylistic 2300 harsh environment case, contact your reseller.

## Avoiding Overheating

The Stylistic 2300 pen tablet monitors its internal temperature. As the internal temperature approaches the tolerable limits of heat-sensitive components, system functions are automatically limited or turned off to prevent heat damage.

To avoid overheating the pen tablet:

- Do not obstruct the heat sink vents on the lower left edge of the pen tablet.
- Do not charge the pen tablet while it is in the harsh environment case unless the system is either suspended or off. Using proper power management techniques while the pen tablet is in the harsh environment case also helps to prevent overheating.

## Cleaning the Display Screen

To clean the pen tablet display screen, wipe the screen surface gently using a soft cotton cloth slightly dampened with water or denatured alcohol.

### **Caution**

The Stylistic 2300 pen tablet is not waterproof. Do not pour liquids on the pen tablet or wash the pen tablet with a heavily soaked cloth.

## Replacing the Pen Tip

The pen tip is made of a soft plastic material. With use, the pen tip may become worn or may pick up abrasive particles that can scratch the display screen. A damaged or warped tip may not move freely, causing unpredictable results when using the pen. If your pen exhibits any of these problems, replace the pen tip. To do so:

1. Remove the pen tip by pulling it straight out of the pen.
2. Insert a new pen tip into the pen until it fits snugly.

You can now use the pen. Spare pen tips are included in the pen kit supplied with the Stylistic 2300 pen tablet. Contact your local help desk or reseller to obtain a new pen tip if one is not available.

**Note:** *The pen tip is held in the pen by friction. Removing and reinserting the pen tip repeatedly wears out the pen tip and it may fall out of the pen. It is a good idea to always have a spare pen tip available in case of damage; if the tip is damaged, do not use it.*

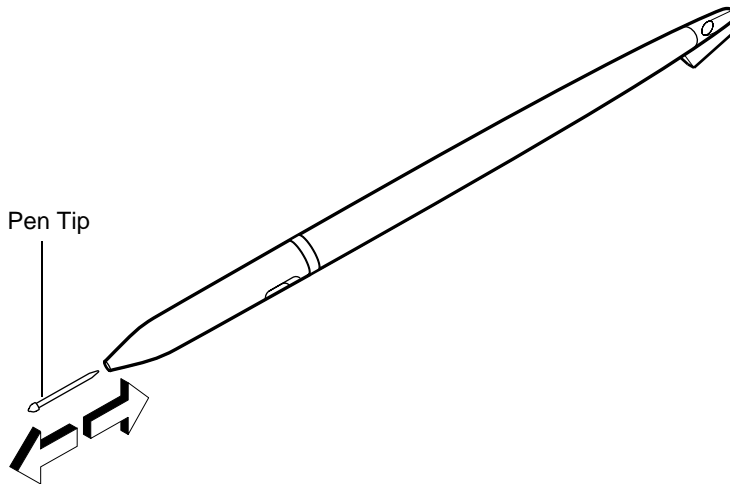


Figure 3-1 Replacing the Pen Tip

# Replacing the Pen Battery

## Caution

The Stylistic 2300 pen is a sophisticated, high-quality electronic instrument that can be damaged with improper use. Treat the pen as you would any precision device. The following list contains guidelines for proper pen handling:

- Unscrew the pen only when you are changing the battery.
- Do not overtighten the pen when screwing it back together. The pen barrel will break if excessive force is used.
- Do not try to turn the thumb grip on the pen; it is designed strictly for inserting and removing the pen from the pen holder.
- When the pen is not in use, it should be stored in the pen holder to avoid damage.

The pen battery has a typical life of about one year under normal use. More frequent use will shorten battery life. The pen uses one size AAAA 1.5 volt alkaline battery. If your system does not respond to the pen, or your pen is producing unpredictable results, replace the pen battery. To do so:

1. Open the pen by twisting the pen barrel counterclockwise.

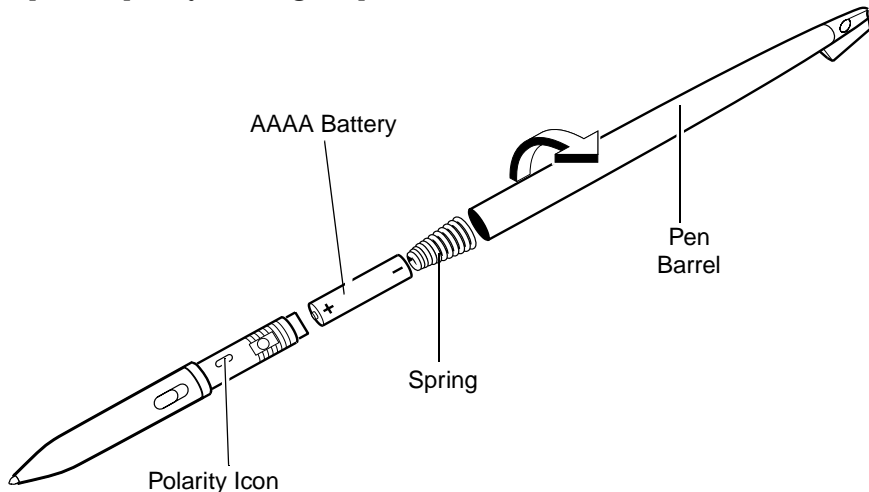


Figure 3-2 Opening the Pen



2. Remove the battery from the pen barrel.
3. Observing the polarity mark, insert a new battery into the pen barrel. (Insert the end of the battery with the negative terminal first.)

**Note:** *You do not need to remove the spring from the pen barrel when you replace the battery; however, if the spring does come out of the pen barrel when you remove the battery, insert the spring into the pen barrel, as shown in Figure 3-2, before you insert the new battery. Close the pen by twisting the pen barrel clockwise until it is snug. In order to avoid damage to the pen, do not overtighten it.*

You can now use the pen as you normally would.

You can obtain replacement AAAA batteries from your local battery reseller or order directly from the following sources:

- Bay Battery (800) 680-1993  
Duracell product number MN2500
- Eveready Battery Company, Inc. (800) 383-7323  
Eveready model number E96

## Calibrating the Pen

You calibrate the pen to adjust the cursor position on the screen relative to the position of the pen. If the cursor is not displayed under the pen tip when you use the pen, you should calibrate the pen.

Pen calibration may be required due to the following situations:

- The previous user of the Stylistic 2300 pen tablet writes with the opposite hand.
- The system has been in use for some time and the pen has not been recalibrated.
- You have rotated the screen from landscape (wide) to portrait (tall) orientation, or from portrait to landscape orientation. (Note that rotating the screen does not affect pen calibration, however, changing the screen orientation may cause you to hold the pen tablet and pen in a slightly different position.)

To calibrate the pen:

1. In the Control Panel, double-tap the Pen Configuration icon. Select the Calibration property sheet, then click on Pen Calibration.
2. Position the Stylistic 2300 pen tablet as you normally would during use. Be sure to hold the pen at the angle that you regularly use.
3. Perform the calibration steps according to the instructions on the screen. The calibration utility displays a cross-hair symbol in each corner of the screen, one corner at a time. Hold the pen as you normally would while using the system and, as accurately as possible, tap the center of each cross-hair as it is displayed.

A dialog box is displayed after you tap the last of the four cross-hair symbols.

4. In the dialog box, tap your response. (If you do not tap any of the buttons within 20 seconds, your new calibration settings are discarded and previous calibration settings are used.)
  - If you are satisfied that you tapped the cross-hairs accurately, tap OK. The taps that you performed in step 3 are then used to calibrate the screen.
  - If you do not want to use your taps to calibrate the screen, tap Cancel.
  - If you want to try again, tap Recalibrate. The calibration instructions reappear.

If you have successfully performed the procedure above, the pen is now calibrated, and you can use the system as you normally would.

## Solving Problems

Solutions to some common problems are described in the following sections. If you are experiencing a problem with your Stylistic 2300 pen tablet that you cannot solve by taking the actions described, contact your local help desk or your reseller for further assistance.

### System Will Not Resume Operation

If the system will not resume operation after system operation has been suspended, check the following possible causes:

- The battery pack may either be defective, or discharged to the critically low level. When the battery pack reaches the critically low level, the system is forced into Suspend-to-RAM mode to avoid a total system power failure. To correct this problem, either connect an external power supply (such as the AC adapter), or install a charged battery pack in the pen tablet.
- The system may be at the critical thermal limit. To avoid damage to heat-sensitive components, the system enters Suspend-to-RAM mode when it gets too hot. System operation cannot be resumed until the pen tablet cools off to a tolerable temperature. Move the pen tablet to a cooler location and prevent direct sunlight from shining onto the pen tablet.

### Display Screen Is Blank or Difficult to Read

If the display screen on your Stylistic 2300 pen tablet appears blank or is unreadable, confirm that the system is running (the Power icon is displayed continuously on the Status display), and check the following:

- The system brightness may be set too low, causing the screen to appear too dark. Use the brightness hotpad to adjust the screen brightness.
- An external monitor may be selected. Tap on the Display Select hotpad to determine whether the pen tablet display screen is selected.
- The video timeout may have expired. Tap on the display screen to reactivate the display. Note that this is a normal, power-saving feature.
- *Transflective (CTF) systems only:* The display contrast settings may be set to extreme high or low level causing the screen to appear blank. Try adjusting the contrast setting using the hotpads. Note that the ambient temperature will affect the display contrast. You may need to adjust the contrast periodically to compensate for changes in temperature.

## Infrared Data Transfer Is Not Working

If you are experiencing problems transferring data over the system's infrared interface, note the following:

- Can the IrDA port on the pen tablet “see” the IrDA port on the other device? A direct line-of-sight path must exist between the IrDA port on the pen tablet and the IrDA port on the other device.
- The distance between the two devices must not be more than approximately 3 feet or 1 meter.
- The viewing angle from the IrDA port on the pen tablet must not be more than 15 degrees from a center line between the IrDA port on the pen tablet and the IrDA port on the other device.
- The device with which you are trying to communicate must be compliant with the IrDA Standard Revision 1.1.

## Pen Tablet Is Not Responding to the Pen

If your pen tablet is not responding to the pen, check the following:

- Ensure that the pen tip moves freely. Replace the pen tip if it is damaged or warped. See “Replacing the Pen Tip” earlier in this chapter.
- Ensure that the pen battery is in good condition. Replace the pen battery if the age or condition of the battery is suspect. See “Replacing the Pen Battery” earlier in this chapter.
- If available, connect an external keyboard to the system to see if it responds to keyboard commands. If the system doesn't respond to the keyboard, the application or system may have crashed, and it may be necessary to reset the system.

## Cursor Is Not Tracking Pen

If the cursor on the screen is not accurately tracking the pen or appears to be misaligned with the pen, calibrate the pen. See “Calibrating the Pen” earlier in this chapter for details.

## Audio Volume Too Low

If the audio volume on your pen tablet speaker or external headphones is too low, check the following:

- Ensure that the speaker (or headphone output if using headphones) is enabled. To do so, tap the Speaker Mute hotpad. The system beeps when the speaker or headphone output is turned on using the Speaker Mute hotpad.
- Ensure that the volume level set with the Volume hotpads is set to an audible level.
- Ensure that the mute box in the system volume control (accessible from the system tray) is not set.
- Ensure that any volume control in your audio software is set to an audible level.

## Configuring Peripherals Interfaces

Note that peripheral devices such as serial port A can be disabled during the BIOS Setup. If the peripheral interface you want to use does not appear to be working with your peripheral device, ensure that it is enabled in the BIOS. Contact your local help desk or reseller if you need assistance using BIOS Setup.

# Appendix A

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## Agency Notices

### FCC Notices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules.

Changes or modifications not expressly approved by Fujitsu Personal Systems, Inc., could void the user's authority to operate the equipment.

### Notice to Users of Radios and Television

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet that is on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interconnect cables must be employed with this equipment to ensure compliance with the pertinent RF emissions limits governing this device.

### Notice to Users of the US Telephone Network

**Note:** *All configurations of the Stylistic 2300 do not have an internal modem. The following information applies only to those systems with an internal modem.*

The Stylistic 2300 pen tablet is supplied with an internal modem which complies with Part 68 of the FCC rules. On the pen tablet is a label that contains the FCC Registration Number and Ringer Equivalence Number (REN) of this system, along

with other information. If requested, users must provide their telephone company with the following information:

- The telephone number to which the pen tablet is connected
- The Ringer Equivalence Number (REN) for this equipment
- The information that the system requires a standard modular jack type USOC RJ-11C which is FCC Part 68-compliant
- The FCC Registration Number

This equipment is designed to be connected to the telephone network or premises wiring using a standard modular jack type USOC RJ-11C which is FCC Part 68-compliant.

The REN is used to determine the number of devices you may connect to your telephone line and still have all those devices ring when your number is called. Too many devices on one line may result in failure to ring in response to an incoming call. In most, but not all, areas, the sum of all of the devices should not exceed five (5). To be certain of the number of devices you may connect to your line, as determined by the RENs, contact your local telephone company.

If this equipment causes harm to the telephone network, your telephone company may discontinue your service temporarily. If possible, they will notify you in advance. If advance notice is not practical, they will notify you as soon as possible. You will also be advised of your right to file a complaint with the FCC.

This fax modem also complies with fax branding requirements per FCC Part 68.

If you experience trouble with this equipment, please contact your support representative.

Your telephone company will probably ask you to disconnect this equipment from the telephone network until the problem is corrected and you are sure that the equipment is not malfunctioning.

This equipment may not be used on coin service telephones provided by your telephone company. Connection to party lines is subject to state tariffs. Contact your state's public utility commission, public services commission, or corporation commission for more information.

FCC rules prohibit the use of non-hearing aid compatible telephones in the following locations or applications:

- All public or semipublic coin-operated or credit card telephones.
- Elevators, highways, tunnels, (automobile, subway, railroad, or pedestrian) where a person with impaired hearing might be isolated in an emergency.
- Places where telephones are specifically installed to alert emergency authorities such as fire, police, or medical assistance personnel.
- Hospital rooms, residential health care facilities, convalescent homes, and prisons.
- Workstations for the hearing impaired.
- Hotel, motel, or apartment lobbies.
- Stores where telephones are used by patrons to order merchandise.
- Public transportation terminals where telephones are used to call taxis or to reserve lodging or rental cars.
- In hotel and motel rooms at least ten percent of the rooms must contain hearing aid compatible telephones which will be provided to hearing impaired customers on request.

## DOC (Industry Canada) Compliance Notices

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set forth in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

### Notice to Users of Radios and Television

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du règlement sur le matériel brouilleur du Canada.

### Notice to Users of the Canadian Telephone Network

The Canadian Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective,



operational, and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Repairs to telecommunication equipment should be made by a Canadian authorized maintenance facility. Any repairs or alterations not expressly approved by Fujitsu Personal Systems, Inc. or any equipment failures may give the telecommunications company cause to request the user to disconnect the equipment from the telephone line.

The connecting arrangement code for this equipment is CA11A.

The Load Number is 0.2.

The Load Number assigned to each telephone terminal device denotes the percentage of the total load to be connected to a telephone loop or circuit to be used by the device to prevent overloading. The termination on a loop may consist of any combination of devices such that the total of the load numbers of all devices does not exceed 100.

#### **Caution**

For safety, users should ensure that the electrical ground of the power utility, the telephone lines, and the metallic water pipes are connected together. Users should **not** attempt to make such connections themselves but should contact the appropriate electric inspection authority or electrician. This may be particularly important in rural areas.

### **Avis Aux Utilisateurs Du Réseau Téléphonique Canadien**

L'étiquette canadienne Industrie Canada identifie l'équipement certifié. Cette certification signifie que l'équipement satisfait certaines normes de protection, d'exploitation et de sécurité des réseaux de télécommunications. Le département ne garantit pas le fonctionnement de l'équipement à la satisfaction de l'utilisateur.

Le Stylistic 2300 possède un modem interne conforme aux normes de certification d'Industrie Canada pour protéger les réseaux de télécommunications et satisfaire aux normes de sécurité. Avant de connecter cet équipement à une ligne téléphonique, l'utilisateur doit vérifier s'il est permis de connecter cet équipement aux installations de télécommunications locales. L'utilisateur est averti que même la conformité aux normes de certification ne peut dans certains cas empêcher la dégradation du service.

Les réparations de l'équipement de télécommunications doivent être effectuées par un service de maintenance agréé au Canada. Toute réparation ou modification, qui n'est pas expressément approuvée par Fujitsu Personal Systems, Inc., ou toute défaillance de l'équipement peut entraîner la compagnie de télécommunications à exiger que l'utilisateur déconnecte l'équipement de la ligne téléphonique.

Le code d'arrangement de connexion de cet équipement est CA11A.

Le numéro de charge est 0.2.

Le numéro de charge assigné à chaque terminal téléphonique indique le pourcentage de la charge totale pouvant être connecté à une boucle ou à un circuit téléphonique, utilisé par ce périphérique afin de prévenir toute surcharge. La terminaison d'une boucle peut être constituée de n'importe quelle combinaison de périphériques de sorte que le total de numéros de charge de tous les périphériques n'excède pas 100.

#### **Avertissement**

Pour assurer la sécurité, les utilisateurs doivent vérifier que la prise de terre du service d'électricité, les lignes téléphoniques et les conduites d'eau métalliques sont connectées ensemble. Les utilisateurs NE doivent PAS tenter d'établir ces connexions eux-mêmes, mais doivent contacter les services d'inspection d'installations électriques appropriés ou un électricien. Ceci peut être particulièrement important en régions rurales.



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